



Appl. No. 09/942,298

Amended Dated 02/28/2006

Replied Office Action of September 29, 2005

**Amendments to the Abstract:**

Please replace the Abstract with the Abstract that appears on the following page:

### **ABSTRACT**

An adaptation process for automatic gain control is adapted to obtains the statistical characteristics of the received signal to estimate the input signal power level. The estimated input signal power level is used to adjust the gain of a variable gain amplifier for the automatic gain control.